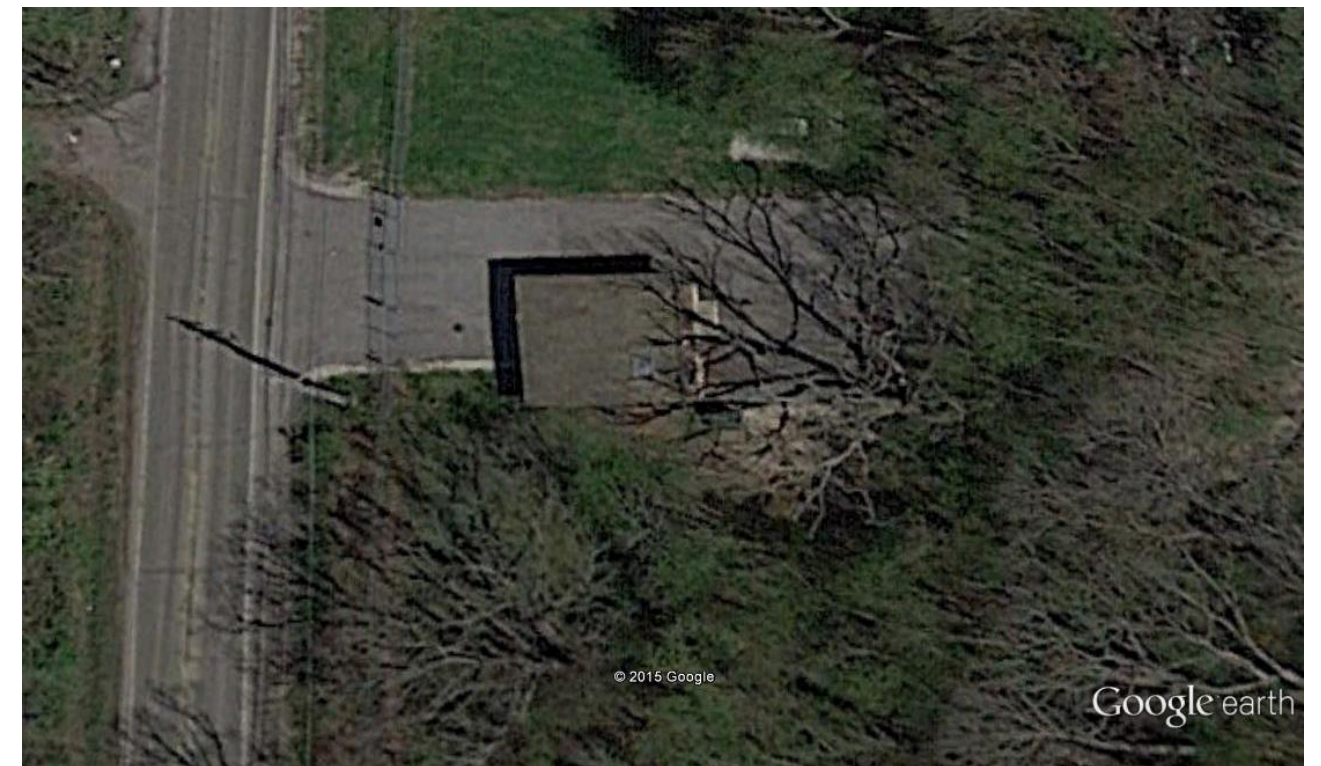
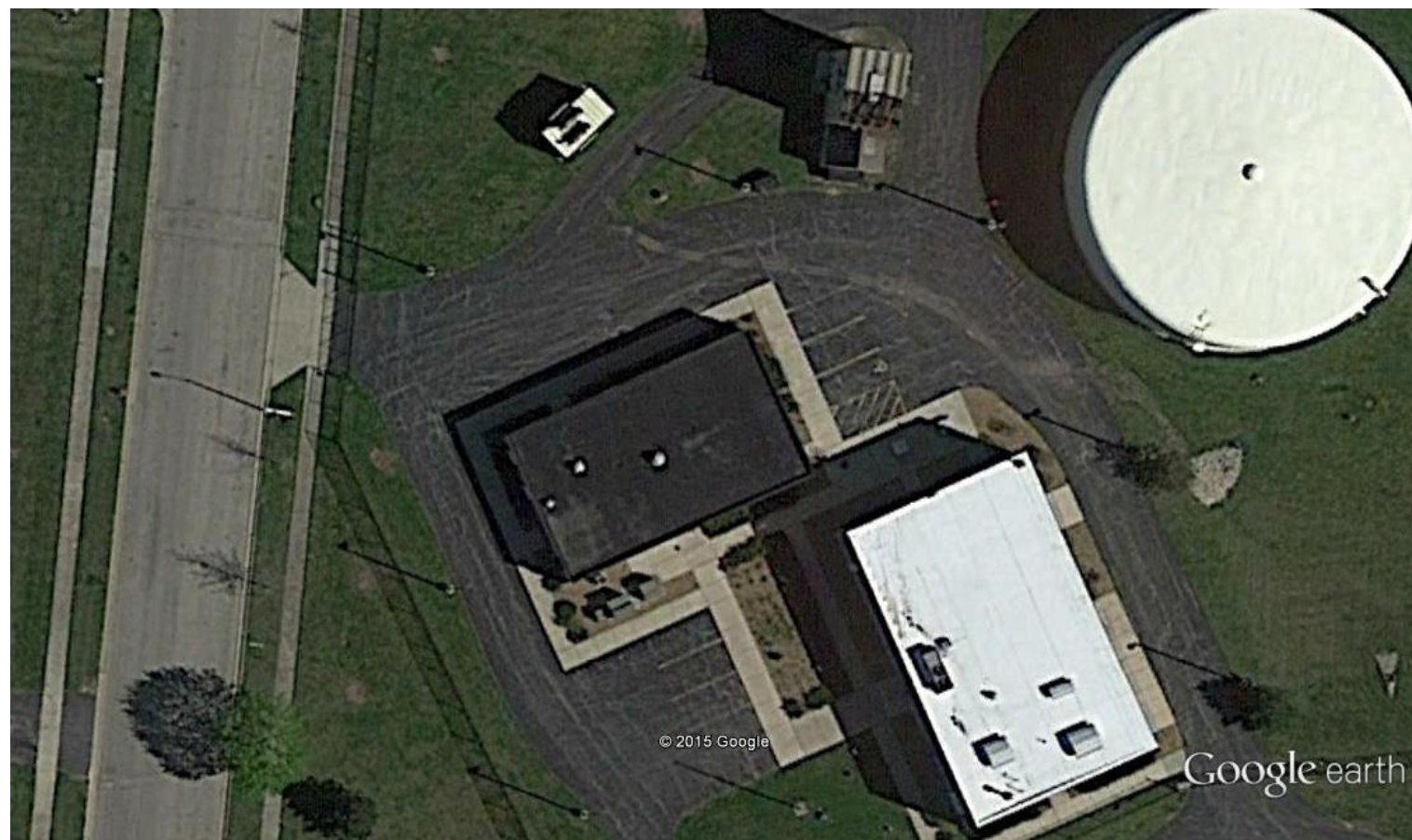




## CITY OF ST. CHARLES PUMP #8 & WELL #9 ROOF PROJECT 2015

450 37<sup>th</sup> Avenue | St. Charles, IL 60174



### INDEX OF DRAWINGS

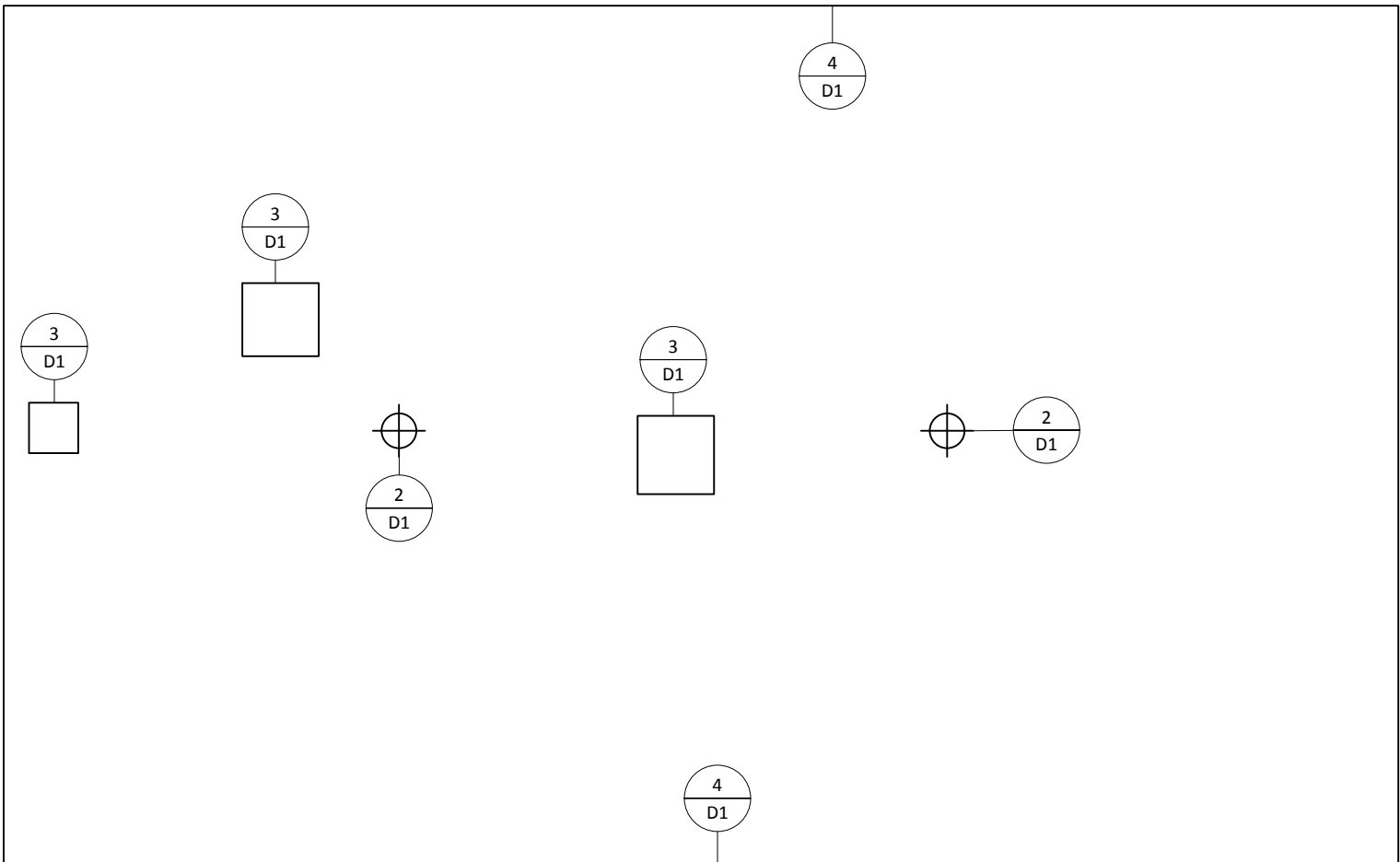
COVER SHEET  
ROOF PLAN  
D-1 DETAILS



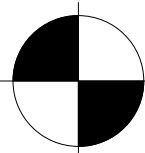
since 1895



PUMP #8

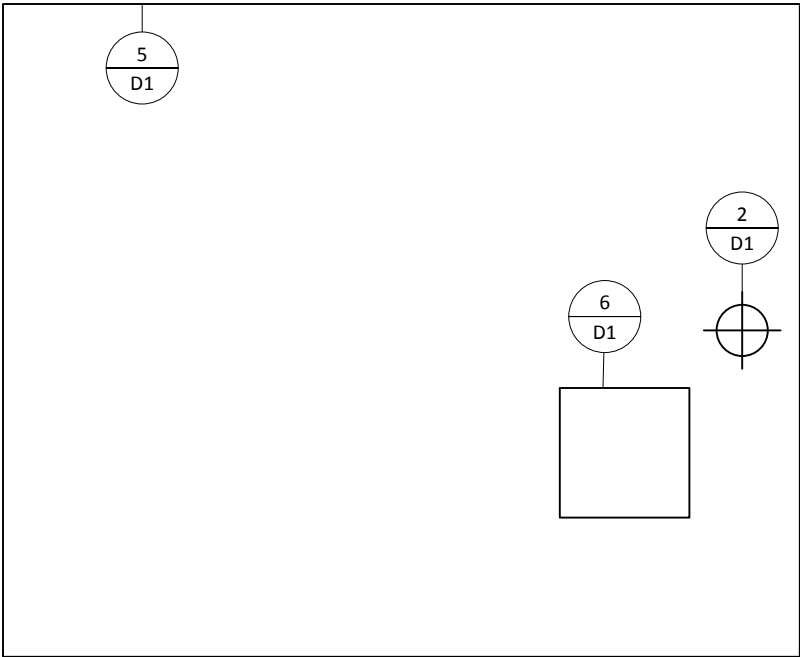


Core Information:  
Pump #8: Concrete deck, tapered polyisocyanurate insulation, adhered EPDM membrane.  
Well #9: Concrete deck, tapered polyisocyanurate insulation, ballasted EPDM membrane.



# ROOF PLAN

WELL #9



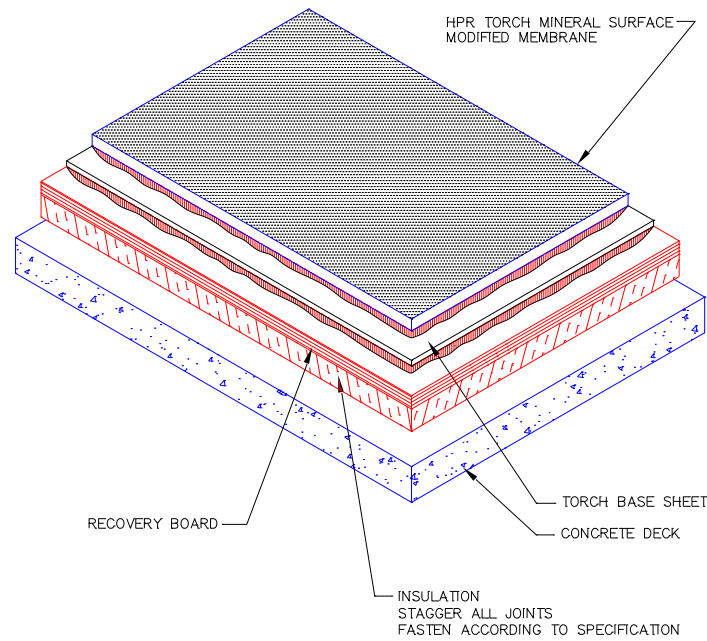
- SCOPE OF WORK:**
- Remove existing roof assembly down to structural concrete deck(existing assembly consists of concrete deck, tapered polyisocyanurate insulation, ballasted EPDM membrane-Well #9. Existing assembly consists of concrete deck, tapered polyisocyanurate insulation, adhered EPDM membrane-Pump#8).
  - Prime concrete deck with Garlaprime asphalt roof primer at a rate of .5 gallons/square.
  - Install 1xPly HPR Torch base sheet as a vapor retarder directly to the primed concrete deck.
  - Install ¼:12 tapered polyisocyanurate insulation with a minimum of 1” thickness at drains on entire roof in insulation adhesive according to wind uplift calculations. Minimum R-value for assembly is 25.
  - Install .5” Densdeck in insulation adhesive according to wind uplift calculations directly to tapered polyisocyanurate insulation.
  - Install 1xPly HPR Torch Base sheet directly to Densdeck.
  - Install 1xPly Stressply IV Mineral directly to torch base sheet.
  - Coat entire roof with Garlabrite roof coating at a rate of 2.0 gallons/square.
  - Install 1xPly HPR Torch Base Sheet and 1xPly Stressply IV Mineral cap sheet at all penetrations and perimeter.
  - Install new Kynar-coated 24-ga. Steel sheet metal flashing and trim in accordance with Section 07 60 00 and drawings/details.
  - Clean up and haul away all debris.

- ROOF NOTES**
- TAKE SPECIAL CARE NOT TO OVERLOAD ANY ROOFS WITH EQUIPMENT, MATERIAL, DEBRIS, ETC.
  - LEAVE THE ROOF IN WATERTIGHT CONDITION AT THE END OF EACH WORKING DAY.
  - CONTRACTOR TO DISCONNECT AND REINSTALL ALL ELECTRICAL AND MECHANICAL EQUIPMENT AS REQUIRED ON ALL EXISTING CURBS TO COMPLETE PROJECT
  - ALL NEW WOOD BLOCKING IS TO BE FASTEND AT 16” O.C. WITH STAINLESS STEEL FASTENERS AND WRAPPED IN SPECIFIED WATERPROOFING MEMBRANE PRIOR TO METAL COPING INSTALLATION. ALL PERIMETER METAL TO BE INSTALLED PER ANSI-SPRI ES1 REQUIREMENTS.
  - VERIFY ANY DISCREPENCIES BETWEEN SPECIFICATIONS AND DRAWINGS. NOTIFY SCOTT GOEHRING (SGOEHRING@GARLANDIND.COM) IN WRITING FOR CLARIFICATION PRIOR TO SUBMITTING BID AND/OR COMMENCING WORK. DESIGN TO MEET IBC 2012.
  - CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL MEASUREMENTS AND CONDITIONS.

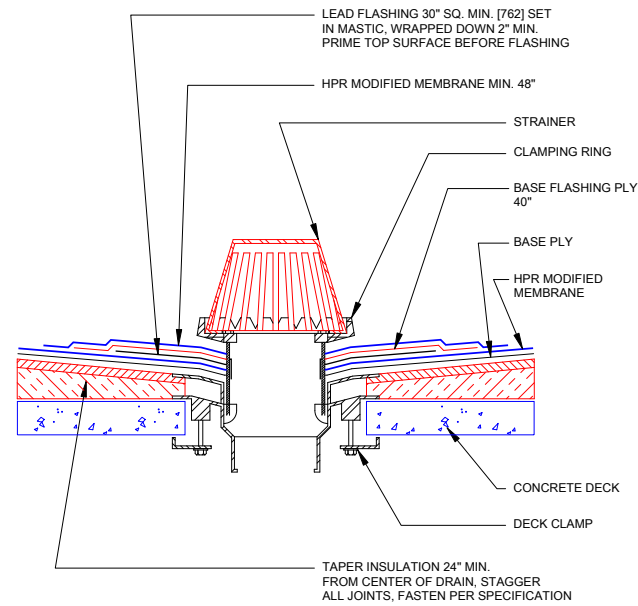
**LEGEND**

	HEAT STACK		DRAIN
	ROOFTOP UNIT		VENT PIPE
	EXHAUST FAN CURB		

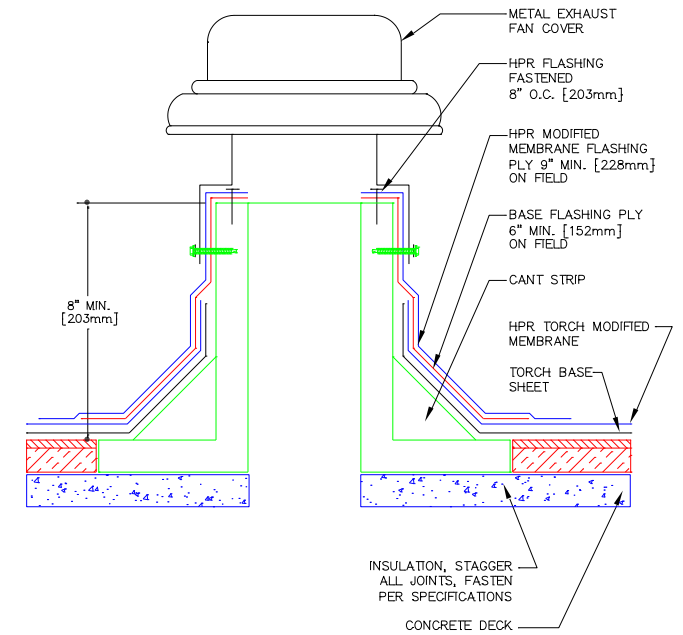
REVISION:	THE GARLAND COMPANY INC. 3800 EAST 91st STREET - CLEVELAND, OHIO 44105-2197 PHONE (800) 321-9336 / FAX (216) 641-0633			
City of St. Charles Pump 8 & Well 9 450 East 37 <sup>th</sup> Street St. Charles, IL 60174		JOB NUMBER:	CHK BY:	
DATE:		2	OF 4	
SHEET:		DWG BY:JSR		
<b>ROOF PLAN</b>				



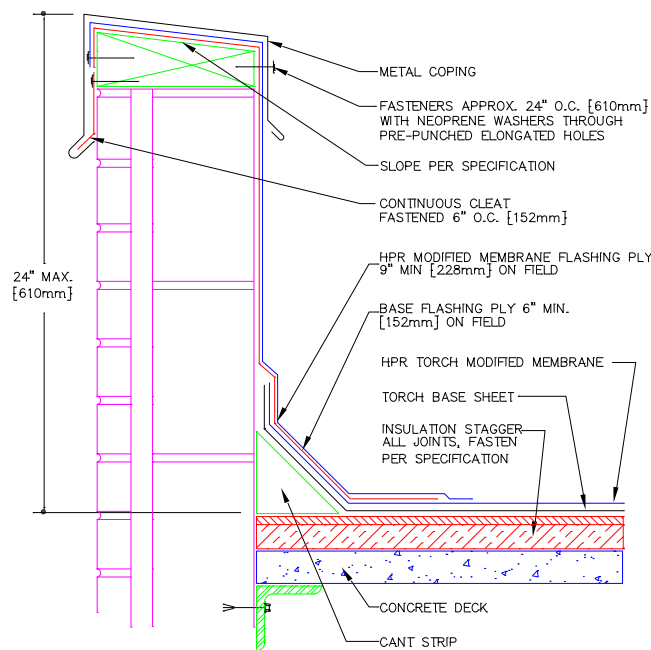
**1**  
D-1  
TYPICAL SECTION –  
MINERAL FINISH



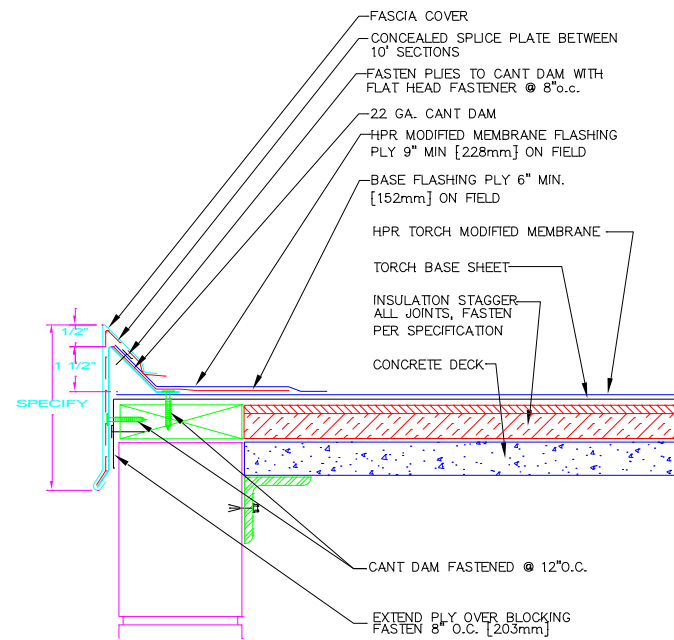
**2**  
D-1  
ROOF DRAIN



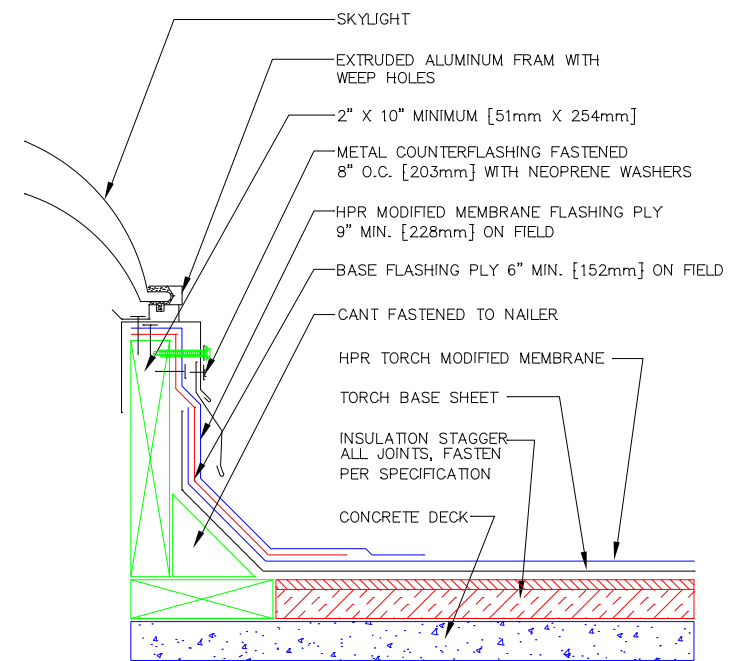
**3**  
D-1  
POWER VENT



**4**  
D-1  
COPING CAP



**5**  
D-1  
METAL EDGE



**6**  
D-1  
SKYLIGHT

